

Marina Stormwater Discharge Permit Work Session

March 11, 2010

Step 3 – Filing a Notice of Intent

Receiving Waters and Water Quality Assessment Status

Ken Edwardson

NHDES, Water Quality Assessment Program

(603) 271-8864

Kenneth.Edwardson@des.nh.gov

What do I have to do?

Step 1: Determine eligibility of activities that fall under this permit, if any.

Step 2: Develop a Stormwater Pollution Prevention Plan (SWPPP)

Step 3: File a Notice of Intent (NOI)

Step 4: Inspection, monitoring, reporting and corrective actions

Step 3 – Filing Notice of Intent

- **Know your receiving waters**
- Documenting impact, if any, on Endangered Species
- Documenting impact, if any, on Historic Properties

Water Quality Assessments - 305(b) / 303(d)

The 31 Second Overview

- Biennial report fulfills Federal & State requirements to assess water quality
- Assessments are governed by the Water Quality Standards Env-Wq 1700
 - Designated Uses
 - Criteria - Numeric & Narrative
 - Antidegradation
- Consolidated Assessment & Listing Methodology (CALM) defines how we apply Env-Wq 1700 to available data
- Spatial unit of record is the “Assessment Unit”

The 2008 Watershed Report Cards provide a summary of all assessed water quality parameters of the 305(b)/303(d)

http://des.nh.gov/organization/divisions/water/wmb/swqa/report_cards.htm

**TO
FIND
YOUR
HUC12...**

On the web, select your town of interest.

Town/City:

ALEXANDRIA

ACWORTH

ALBANY

ALEXANDRIA

ALLENSTOWN

ALSTEAD

ALTON

Then the HUC12 of interest.

TIP!

It may take a try or two to get the right area.

Town/City: ALEXANDRIA

	HUC 12	Name
	010700010601	COCKERMOUTH RIVER
	010700010602	HORNET COVE
	010700010603	SANBORN BAY TO NEWFOUND R.
	010700010701	SMITH RIVER UPPER
	010700010702	SMITH RIVER LOWER

TIP!

Turn off Pop-up Blockers to see the Report Card.

How do we know what parameters are impaired?

Good	Full Support Good
Marginal	Full Support Marginal
Likely Good	Insufficient Information – Potentially Full Support
No Data	No Data
Likely Bad	Insufficient Information – Potentially Not Support
Poor	Not Support Marginal
Severe	Not Support Severe

Impairments

Severe Not Supporting, Severe	Poor Not Supporting, Marginal	Likely Bad Insufficient Information – Potentially Not Supporting	No Data No Data	Likely Good Insufficient Information – Potentially Full Supporting	Marginal Full Support, Marginal	Good Full Support, Good
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*DES Categories; 2-G = Supports Parameter well above criteria, 2-M = Supports Parameter marginally above criteria, 2-OBS = Exceeds WQ criteria but natural therefore not a WQ exceedence, 3-ND = Insufficient Information/No data, 3-PAS= Insufficient Information/Potentially Attaining Standard, 3-PNS= Insufficient Information/Potentially Not Attaining Standard, (4A=Impaired/TMDL Completed, 4B=Impaired/Other Measure with rectify Impairment, 4C=Impaired/Non-Pollutant, 5=Impaired/TMDL needed) M=Marginally Impairment, P=Severe Impairment, T=Threatened (<http://des.nh.gov/organization/divisions/water/wmb/swqa/index.htm>)

1. SUMMARY REPORT CARD - A one-page summary of the overall use support for Aquatic Life, Primary Contact (i.e., swimming), Secondary Contact (i.e., boating), and Fish Consumption Designated Uses on every Assessment Unit ID (AUID) within the HUC12.

WATERSHED 305(b) ASSESSMENT SUMMARY REPORT:

HUC 12 010700010701

HUC 12 NAME SMITH RIVER UPPER

(Locator map on next page only applies to this HUC12)

Assessment Cycle 2008

Good	Full Support Good
Marginal	Full Support Marginal
Likely Good	Insufficient Information – Potentially Full Support
No Data	No Data
Likely Bad	Insufficient Information – Potentially Not Support
Poor	Not Support Marginal
Severe	Not Support Severe



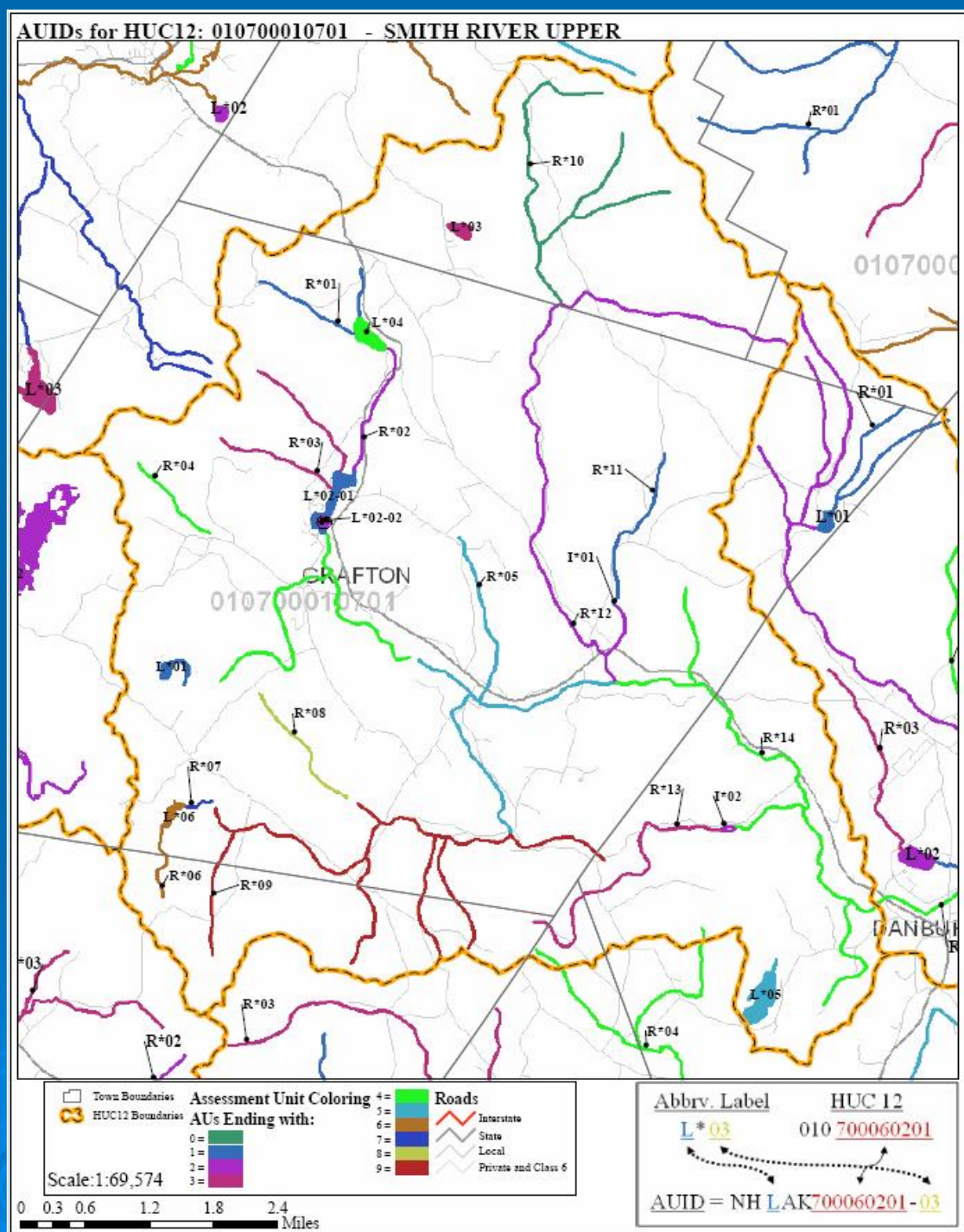
ASSESSMENT UNIT ID	MAP LABEL	ASSESSMENT UNIT NAME	AQUATIC LIFE	SWIMMING	BOATING	FISH CONSUMP.
NHIMP700010701-01	I*01	HOYT BROOK	3-ND	3-ND	3-ND	4A-ND
NHIMP700010701-02	I*02	HOYT BROOK	3-ND	3-ND	3-ND	4A-ND
NHLAK700010701-01	L*01	HALFMOON POND	3-ND	3-ND	3-ND	4A-ND
NHLAK700010701-02-01	L*02-01	KILTON POND	3-ND	3-PAS	3-ND	4A-ND
NHLAK700010701-02-02	L*02-02	KILTON POND - HUFF BEACH	3-ND	2-M	3-ND	4A-ND
NHLAK700010701-03	L*03	ORANGE POND	4A-ND	3-ND	3-ND	4A-ND
NHLAK700010701-04	L*04	TEWKSBURY POND	3-PAS	3-ND	3-ND	4A-ND
NHLAK700010701-05	L*05	WAUKEENA LAKE	4A-ND	3-ND	3-ND	4A-ND
NHLAK700010701-06	L*06	HALE POND	3-ND	3-ND	3-ND	4A-ND
NHRIV700010701-01	R*01	SMITH RIVER	3-ND	3-ND	3-ND	4A-ND
NHRIV700010701-02	R*02	SMITH RIVER	3-ND	3-ND	3-ND	4A-ND
NHRIV700010701-03	R*03	MANFELTREE BROOK	3-PNS	3-ND	3-ND	4A-ND
NHRIV700010701-04	R*04	SMITH RIVER	3-ND	3-ND	3-ND	4A-ND
NHRIV700010701-05	R*05	SMITH RIVER	3-ND	3-ND	3-ND	4A-ND
NHRIV700010701-06	R*06	UNNAMED BROOK - TO HALE POND	3-ND	3-ND	3-ND	4A-ND
NHRIV700010701-07	R*07	UNNAMED BROOK - FROM HALE POND	3-ND	3-ND	3-ND	4A-ND
NHRIV700010701-08	R*08	UNNAMED BROOK - TO THREE THOUSAND ACRE POND	3-ND	3-ND	3-ND	4A-ND
NHRIV700010701-09	R*09	SANDERS BROOK	3-PAS	3-ND	3-ND	4A-ND
NHRIV700010701-10	R*10	MILL BROOK	3-ND	3-ND	3-ND	4A-ND
NHRIV700010701-11	R*11	HOYT BROOK	3-ND	3-ND	3-ND	4A-ND
NHRIV700010701-12	R*12	MILL BROOK - BROWN BROOK - HOYT BROOK	3-ND	3-ND	3-ND	4A-ND
NHRIV700010701-13	R*13	HOYT BROOK	3-ND	3-ND	3-ND	4A-ND
NHRIV700010701-14	R*14	SMITH RIVER - HOYT BROOK	3-ND	3-ND	3-ND	4A-ND
NHRIV700010702-14	R*0702-14	SMITH RIVER	3-ND	3-ND	3-ND	4A-ND

2. HUC12 MAP

To see the spatial extend of each Assessment Unit (AUID) use the HUC12 watershed map with abbreviated AUID labels.

Note:

While the maps shows AUIDs in other HUC12s, each Report Card only applies to AUIDS in the HUC12 described at the top of the map.



3. ASSESSMENT DETAILS - Details for each Assessment Unit (AUID) in the Summary Report Card (1) and Map (2) appear in subsequent pages of the Report Card .

Assessment Unit ID	NHLAK700010701-02-01	Size	68.0000 ACRES	2008, 305(b)/303(d) - All Reviewed
Assessment Unit Name	KILTON POND	Beach	N	Parameters by Assessment Unit
Primary Town	GRAFTON	Assessment Unit Category*	5-M	

Designated Use Description	*Desig. Use Category	Desig. Use Threat	Parameter Name	Parameter Threatened (Y/N)	Parameter Category*	TMDL Schedule	Expected To Attain Date	Source Name (Impairments only)
Aquatic Life	5-M		ALKALINITY, CARBONATE AS CaCO3	N	3-PNS			
			CHLORIDE	N	3-PAS			
			DISSOLVED OXYGEN SATURATION	N	3-PAS			
			OXYGEN, DISSOLVED	N	3-PAS			
			PH	N	5-M	2021		Source Unknown
Drinking Water After Adequate Treatment	2-G							
Fish Consumption	4A-M		Mercury	N	4A-M	2017		Atmospheric Deposition - Toxics
Primary Contact Recreation	3-PAS		CHLOROPHYLL-A	N	2-G			
			Escherichia coli	N	3-ND			
Secondary Contact Recreation	3-ND		Escherichia coli	N	3-ND			
Wildlife	3-ND							

Severe Not Supporting, Severe	Poor Not Supporting, Marginal	Likely Bad Insufficient Information - Potentially Not Supporting	No Data No Data	Likely Good Insufficient Information - Potentially Full Supporting	Marginal Full Support, Marginal	Good Full Support, Good
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Note:
There can be as many as 40 of these subsequent pages..

Schedule for the 2010, 305(b)/303(d)

February 19, 2010	Published Draft 303(d) for Public Comment
March 22, 2010	Public Comment Period Closes
April 1, 2010	Submit Final 303(d) and 305(b)
May/June 2010	Replace 2008 Report Cards with 2010 Report Cards

http://des.nh.gov/organization/divisions/water/wmb/swqa/report_cards.htm



Antidegradation Tiers

Better



Parameter Value



Worse

TIER 2

High Quality Waters

water quality is better
than 10% of the water
quality standard

TIER 1

water quality is within
10% of the water quality
standard

IMPAIRED

water quality is below the
standard

TIER 3

Outstanding Resource
Waters (ORWs)

Surface waters of
national forests and
surface waters
designated as “natural”
under RSA 483:7-a

(OneStop GIS)

Ken Edwardson

NHDES, Water Quality Assessment Program Coordinator

Phone: (603) 271-8864

Kenneth.Edwardson@des.nh.gov

[http://des.nh.gov/organization/divisions/water/wmb/swqa/index.h
tm](http://des.nh.gov/organization/divisions/water/wmb/swqa/index.htm)